

Recombinant Human CALR3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CALR3-1907H Lot. No. (See product label)

SPECIFICATION

Product Overview

CALR3 MS Standard C13 and N15-labeled recombinant protein (NP_659483) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

The protein encoded by this gene belongs to the calreticulin family, members of which are calcium-binding chaperones localized mainly in the endoplasmic reticulum. This protein is also localized to the endoplasmic reticulum lumen, however, its capacity for calcium-binding may be absent or much lower than other family members. This gene is specifically expressed in the testis, and may be required for sperm fertility. Mutation in this gene has been associated with familial hypertrophic cardiomyopathy.

Molecular Mass

45 kDa

AA Sequence

MARALVQFWAICMLRVALATVYFQEEFLDGEHWRNRWLQSTNDSRFGHFRLSSGK
 FYGHKEKDKGLQTTQNGRFYAISARFKPFSNKGKTLVIQYTVKHEQKMDCGGGYIK
 VFPADIDQKNLNGKSQYYIMFGPDICGFDIKKVHVLHFKNKYHENKKLIRCKVDGFT
 HLYTLILRPDLSYDVKIDGQSIESGSIEYDWNLTSLKKETSPAESKDWEQTKDNKAQD
 WEKHFLDASTSKQSDWNGDLGDWPAPMLQPPYQDGLKPEGIHKDVWLHRKMK
 NTDYLTQYDLSEFENIGAIGLELWQVRSGETFDNFLTDDDEEYADNFGKATWGETKG
 PEREMDAIQAKEEMKKAREEEEEELLGSKINRHEHYFNQFHRRNELTRTRPLEQKLI

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SEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CALR3 calreticulin 3 [Homo sapiens (human)]

Official Symbol CALR3

Synonyms CALR3; calreticulin 3; calreticulin-3; calsperin; cancer/testis antigen 93; CRT2; CT93; FLJ25355; MGC26577; calreticulin-2; CMH19;

Gene ID 125972

mRNA Refseq NM_145046

Protein Refseq NP_659483

MIM 611414

UniProt ID Q96L12

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SDS-PAGE



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